

PATENT CLAIMS

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1. A method for integration of a field device (1) in an installation control system, in which case the installation control system has a communications network (3, 4, 5) and a control station (2), characterized in that
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- 10 a) the field device (1) transmits a functional description (13) of its device functions (11) to the control station (2) in a standardized form,
- b) functions (23, 23') associated with the field device (1) are installed on the control station (2), and
- 15 c) communications links are configured between the device functions (11) and the functions of the control station (23, 23').
2. The method as claimed in claim 1, characterized in that, before integration of a field device (1), the control station (2) contains information about a structure of the installation (24).
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3. The method as claimed in claim 2, characterized in that, before integration of a field device (1), the control station (2) contains information about an identity of the field device (1) and/or about an identity of primary units (6) which are associated with the field device (1).
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4. The method as claimed in claim 1, characterized in that at least one function of the control station (23, 23') is installed automatically on the basis of the nature of this function (23, 23').
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5. The method as claimed in claim 1, characterized in that the functional descriptions (13) of the field device (1) use a description language in accordance with IEC Standard 61850-6 or its draft.
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6. The method as claimed in claim 1, characterized in that generic functions of the control station (2)

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7. The method as claimed in claim 1, characterized
5 in that functions of the control station (2) which can
be associated with a field device (1) are transmitted
by the field device (1) to the control station (2)
during the physical installation of the field device
(1).

9. The method as claimed in claim 1, characterized in that the installation control system controls a high-voltage or medium-voltage switchgear assembly.

25 a) means for receiving a standardized functional description (13) of at least one device function (11) of the field device (1),

35 c) means for configuration of communications links between the at least one device function (11) of the field device (1) and the functions of the control station (23, 23').

11. The installation control system as claimed in claim 10, characterized in that the device functions (11) of the field device (1) are described in a description language in accordance with IEC Standard 61850-6 or its draft.

12. A field device (1) for integration in an installation control system, characterized in that the field device (1) has a functional description (13) of at least one device function (11) of the field device (1), and the functional description (13) of the at least one device function (11) of the field device (1) can be transmitted via the installation control system.

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